

ADVANCED PERIMETER SYSTEMS

BEAM-GUARD PERIMETER RADAR

The Beam-Guard creates a very narrow width "beam break" detection zone of up to 400 metres length. The Super-Beam combines the high detection probability of conventional microwave PIDS with the intruder geo-position and slew-to-cue features of scanning surveillance radars.



INNOVATIVE DESIGN



CERTIFICATION

The system is tested and approved for EN300440 RF, EN301489 EMC, IEC60950 Safety.



PROTECTION

When a person or vehicle crosses this zone the Beam-Guard automatically slews up to four CCTV camera to the exact location of the intrusion and reports the co-ordinates over the Ethernet interface.



DETECTION ZONE

The system can have a detection zone of up to 400m with 2 radars, or 200m with only one.



STRONG & DURABLE

Robust, rugged design and construction with proven microwave technology delivering unrivalled maintenance free operation in all weather conditions.

WE CARE ABOUT YOUR SECURITY

- Typically installed at 1 metre height with both Beam-Guards facing each other, these fixed sensors stare along the perimeter resulting in extremely high detection probability in excess of wide-area scanning sensors. In-built GPS with map integration makes alignment straightforward for installers, requiring no special training or tools.



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SPECIFICATIONS

OPERATION	"Beam-break" detection with simultaneous range measurement of a vehicle or person crossing between the two radars,
DETECTION RANGE	Up to 400m using two radars or 200m using one radar
ALIGNMENT	Adjustable bracket to easily orientate unit.
ALARM DATA	Ethernet output to third party software (e.g VMS), P/IP alarm function.
ELEVATION BEAM SHAPE	Narrow beam which can be as low as 1m, depending on user settings
MINIMUM TARGET SPEED	0.5 meters per second nominal towards radar
INSTALL HEIGHT	Typically installed at 1m height.
SOFTWARE	Built-in, no software licenses required.
USER INTERFACE	Web browser based GUI (Graphical user interface)
PHYSICAL INTERFACES	Ethernet 100Mbps, RJ45 port. Auxiliary circular multi-pole for alarm relay.
CAMERA INTERFACE	Up to 4 PTZ cameras. ONVIF Profile S (absolute zero positioning).
VMS INTERFACE	Accessed through GUI. Compatible with many popular VMS
IP AND WIND RATING	IP66, 200kph.
GPS	Used for synchronisation of multiple radars and location mapping.
OPERATING FREQUENCY BAND	24.05 - 24.25 GHz (license exempt ISM band).
RADAR TYPE	FMCW.
TRANSMITTING POWER	+20dBm (100mW) EIRP.
POWER SUPPLY	Power-over-Ethernet (PoE), 802.3af compliant, typically <10 W consumption
DIMENSIONS	220 x 210 x 60mm (Standard unit) excluding brackets, sunshield, connectors
WEIGHT	1.7 kg excluding brackets and sunshield.
BRACKET	Supplied with pole-mount bracket.
APPROVALS	EN300440 RF, EN301489 EMC, IEC60950 Safety
ALARM RELAY	Programmable (NO/NC) Volt-free contact (relay), 24V, 25mA max. Active impedance nominal 45ohms, inactive impedance > 100kohms.

**WE OFFER TRAINING TO ENABLE YOUR TEAM TO
INSTALL THE SOLUTION INDEPENDENTLY.
ALTERNATIVELY, WE HAVE A GLOBAL NETWORK
OF TRUSTED INSTALLERS WHO CAN PROVIDE
INSTALLATION SUPPORT WHEREVER YOU NEED IT.**

